

Flat Glass: 2000

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SUMMARY OF FINDINGS. For the year 2000, 6.7 billion square feet of flat glass were produced

and 6.6 billion square feet of flat glass were shipped. The reported value of shipments was \$2.2 billion. Automotive glass accounted for 27 percent of both production and shipments (in square footage) of flat glass for the year.

In 2000, 5.0 billion square feet of flat glass were shipped out of float glass facilities for sale or further fabrication within a company. These external shipments accounted for 75.5 percent of the total quantity of shipments and 74.0 percent of the total value of shipments. Exports reported by flat glass manufacturers amounted to 403 million square feet, 6.1 percent of their total shipments.

Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Paul Marck, 301-457-4825.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

U S C E N S U S B U R E A U

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Economics and Statistics Administration
U.S. CENSUS BUREAU



Table 1. Summary of Flat Glass Shipments and Sales: 2000 and 1999

| Product description | Shipments (includes quantity produced and consumed within each company) | | Value of shipments | | Quantity produced and consumed within each company (1,000 sq ft) | Inventory (end of year) (1,000 sq ft) | Producer Price Index (1982=100.0) |
|--------------------------------|---|---------------------|---------------------------|-------------------------------|--|---------------------------------------|-----------------------------------|
| | Total (short tons) | Total (1,000 sq ft) | Current dollars (\$1,000) | Constant dollars 1/ (\$1,000) | | | |
| 2000 | | | | | | | |
| Flat glass..... | 5,461,566 | 6,586,773 | 2,152,363 | 2,265,645 | r/ 1,313,511 | r/ 891,154 | 95.0 |
| Exports 2/..... | 371,486 | 403,441 | 154,457 | 162,586 | (X) | (X) | 95.0 |
| Outside customer sales 3/..... | 4,253,192 | 5,092,110 | 1,594,701 | 1,678,633 | (X) | (X) | 95.0 |
| 1999 | | | | | | | |
| Flat glass..... | 5,394,431 | 6,589,596 | 2,213,479 | 2,400,736 | 1,820,299 | 797,699 | 92.2 |
| Exports 2/..... | r/ 309,322 | r/ 313,354 | r/ 123,055 | r/ 133,465 | (X) | (X) | 92.2 |
| Outside customer sales 3/..... | 4,309,398 | 5,195,712 | 1,557,452 | 1,689,210 | (X) | (X) | 92.2 |

r/Revised by 5 percent or more from previously published data. X Not applicable.

1/Adjustments for price changes were made to the data using the producer price index for flat glass as published by the Bureau of Labor Statistics (BLS).

2/Exports reported by flat glass manufacturers only.

3/Shipments and sales to nonraw glass producing companies.

Table 2a. Summary of Production, Shipments, and Inventories of Flat Glass: 2000

| Product code | Product description | No. of cos. | Production | | Shipments (includes quantity produced and consumed within each company) | | Quantity produced and consumed within each company (1,000 sq ft) | Inventory (end of year) (1,000 sq ft) |
|--------------|---|-------------|--------------------|---------------------|---|---------------------|--|---------------------------------------|
| | | | Total (short tons) | Total (1,000 sq ft) | Total (short tons) | Total (1,000 sq ft) | | |
| 3272111 | Flat glass..... | 6 | 5,618,014 | 6,677,244 | 5,461,566 | 6,586,773 | 1,313,511 | 891,154 |
| | Automotive..... | (X) | 1,377,065 | 1,813,287 | 1,351,129 | 1,804,043 | 858,225 | 272,081 |
| | Standard greens/blue greens..... | (X) | 664,907 | 959,602 | 671,530 | 975,615 | (D) | 107,457 |
| 3272111001 | Less than 2.9 mm thick..... | 5 | 366,200 | 657,060 | 370,574 | 667,544 | (D) | 61,251 |
| 3272111006 | 2.9 mm or thicker..... | 5 | 298,707 | 302,542 | 300,956 | 308,071 | (D) | 46,206 |
| | High performance greens/blue greens/blues..... | (X) | 364,107 | 489,465 | 353,936 | 487,722 | (D) | 83,454 |
| 3272111011 | Less than 2.9 mm thick..... | 3 | (D) | (D) | (D) | (D) | (D) | (D) |
| 3272111016 | 2.9 mm or thicker..... | 3 | (D) | (D) | (D) | (D) | (D) | (D) |
| | Privacy (high performance uncoated dark gray) and other automotive | (X) | 348,051 | 364,220 | 325,663 | 340,706 | 164,231 | 81,170 |
| 3272111021 | Privacy (high performance uncoated dark gray)..... | 4 | (D) | (D) | (D) | (D) | (D) | (D) |
| 3272111026 | Other automotive..... | 3 | (D) | (D) | (D) | (D) | (D) | (D) |
| | Nonautomotive..... | (X) | 4,240,949 | r/ 4,863,957 | 4,110,437 | 4,782,730 | 455,286 | 619,073 |
| | Pyrolytically coated..... | (X) | 223,194 | 214,033 | 212,645 | 207,301 | (D) | 46,128 |
| 3272111031 | Greens/blue greens/blues..... | 3 | 25,485 | 16,994 | 29,579 | 20,733 | (D) | 5,507 |
| 3272111036 | All other nonautomotive pyrolytically coated..... | 4 | 197,709 | 197,039 | 183,066 | 186,568 | (D) | 40,621 |
| | Nonautomotive other than pyrolytically coated: | | | | | | | |
| | Clear..... | (X) | 3,630,649 | 4,321,718 | 3,543,677 | 4,267,267 | 436,533 | 467,457 |
| 3272111041 | Less than 5.0 mm thick..... | 5 | 2,483,867 | 3,539,939 | 2,451,845 | 3,532,018 | 380,497 | 348,120 |
| 3272111046 | 5.0 mm or thicker..... | 5 | 1,146,782 | 781,779 | 1,091,832 | 735,249 | 56,036 | 119,337 |
| | Greens/blue greens/blues..... | (X) | 118,666 | 102,164 | 120,819 | 107,281 | (D) | 21,668 |
| 3272111051 | Less than 5.0 mm thick..... | 5 | 28,892 | 41,547 | 29,049 | 41,095 | (D) | 7,819 |
| 3272111056 | 5.0 mm or thicker..... | 5 | 89,774 | 60,617 | 91,770 | 66,186 | (D) | 13,849 |
| | All bronze..... | (X) | 106,085 | 84,147 | 91,748 | 74,918 | (D) | 31,098 |
| 3272111061 | Less than 5.0 mm thick..... | 5 | 20,390 | 23,184 | 18,660 | 24,660 | (D) | 9,884 |
| 3272111066 | 5.0 mm or thicker..... | 5 | 85,695 | 60,963 | 73,088 | 50,258 | (D) | 21,214 |
| | All gray and other..... | (X) | 162,355 | 141,895 | 141,548 | 125,963 | (D) | 52,722 |
| 3272111071 | All gray, less than 5.0 mm thick..... | 5 | 43,339 | 55,303 | 45,769 | 56,409 | (D) | 16,814 |
| 3272111076 | All gray, 5.0 mm or thicker..... | 5 | (D) | (D) | (D) | (D) | (D) | (D) |
| 3272111081 | Other, less than 5.0 mm thick..... | 2 | (D) | (D) | (D) | (D) | (D) | (D) |
| 3272111086 | Other, 5.0 mm or thicker..... | 2 | (D) | (D) | (D) | (D) | (D) | (D) |
| 3272111097 | Heat-treated flat glass for nonautomotive uses, treated in primary glass manufacturing plants 1/..... | 3 | 332,395 | 382,674 | 323,513 | 382,746 | (D) | (D) |

D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data. X Not applicable.

1/Glass reported in this category represents the portion of nonautomotive flat glass that has been heat treated.

Note: Data are limited to inventories at manufacturing establishments.

Table 2b. Summary of Production, Shipments, and Inventories of Flat Glass: 1999

| Product code | Product description | No. of cos. | Production | | Shipments (includes quantity produced and consumed within each company) | | Quantity produced and consumed within each company (1,000 sq ft) | Inventory (end of year) (1,000 sq ft) |
|--------------|---|-------------|--------------------|---------------------|---|---------------------|--|---------------------------------------|
| | | | Total (short tons) | Total (1,000 sq ft) | Total (short tons) | Total (1,000 sq ft) | | |
| 3272111 | Flat glass..... | 6 | 5,439,868 | 6,612,121 | 5,394,431 | 6,589,596 | r/ 1,393,884 | 803,014 |
| | Automotive..... | (X) | 1,349,785 | 1,840,660 | 1,344,991 | 1,820,635 | 993,020 | 265,168 |
| | Standard greens/blue greens..... | (X) | 668,588 | 995,881 | 665,671 | 972,914 | (D) | 125,801 |
| 3272111001 | Less than 2.9 mm thick..... | 5 | 422,739 | 742,121 | 424,739 | 729,305 | (D) | r/ 74,066 |
| 3272111006 | 2.9 mm or thicker..... | 5 | 245,849 | 253,760 | 240,932 | 243,609 | (D) | r/ 51,735 |
| | High performance greens/blue greens/blues..... | (X) | 376,214 | 523,635 | 383,140 | 537,272 | (D) | 81,711 |
| 3272111011 | Less than 2.9 mm thick..... | 3 | (D) | (D) | 204,265 | 355,665 | (D) | (D) |
| 3272111016 | 2.9 mm or thicker..... | 3 | (D) | (D) | 178,875 | 181,607 | (D) | (D) |
| | Privacy (high performance uncoated dark gray) and other automotive..... | (X) | 304,983 | 321,144 | 296,180 | 310,449 | 166,038 | 57,656 |
| 3272111021 | Privacy (high performance uncoated dark gray)..... | 4 | (D) | (D) | (D) | (D) | (D) | (D) |
| 3272111026 | Other automotive..... | 4 | (D) | (D) | (D) | (D) | (D) | (D) |
| | Nonautomotive..... | (X) | 4,090,083 | 4,771,461 | 4,049,440 | 4,768,961 | r/ 400,864 | 537,846 |
| | Pyrolytically coated..... | (X) | 209,680 | 203,769 | 207,264 | 206,479 | (D) | 39,396 |
| 3272111031 | Greens/blue greens/blues..... | 3 | (D) | (D) | 34,117 | 24,969 | (D) | 9,246 |
| 3272111036 | All other nonautomotive pyrolytically coated..... | 4 | (D) | (D) | 173,147 | 181,510 | (D) | 30,150 |
| | Nonautomotive other than pyrolytically coated: | | | | | | | |
| | Clear..... | (X) | 3,571,342 | 4,289,628 | 3,503,172 | 4,261,240 | r/ 378,970 | 413,006 |
| 3272111041 | Less than 5.0 mm thick..... | 5 | 2,451,015 | 3,543,039 | 2,379,030 | 3,501,973 | r/ 335,007 | 340,199 |
| 3272111046 | 5.0 mm or thicker..... | 5 | 1,120,327 | 746,589 | 1,124,142 | 759,267 | r/ 43,963 | 72,807 |
| | Greens/blue greens/blues..... | (X) | r/ 114,806 | 98,755 | 133,881 | 120,471 | (D) | r/ 26,785 |
| 3272111051 | Less than 5.0 mm thick..... | 5 | 21,069 | 26,670 | 36,221 | 48,651 | (D) | r/ 7,367 |
| 3272111056 | 5.0 mm or thicker..... | 5 | 93,737 | 72,085 | 97,660 | 71,820 | (D) | r/ 19,418 |
| | All bronze..... | (X) | 66,642 | 58,878 | 77,376 | 66,251 | (D) | r/ 21,869 |
| 3272111061 | Less than 5.0 mm thick..... | 5 | (D) | (D) | (D) | (D) | (D) | r/ 11,360 |
| 3272111066 | 5.0 mm or thicker..... | 5 | (D) | (D) | (D) | (D) | (D) | r/ 10,509 |
| | All gray and other..... | (X) | 127,613 | 120,431 | 127,747 | 114,520 | (D) | r/ 36,790 |
| 3272111071 | All gray, less than 5.0 mm thick..... | 5 | (D) | (D) | (D) | (D) | (D) | r/ 17,920 |
| 3272111076 | All gray, 5.0 mm or thicker..... | 5 | (D) | (D) | (D) | (D) | (D) | (D) |
| 3272111081 | Other, less than 5.0 mm thick..... | 3 | (D) | (D) | (D) | (D) | (D) | (D) |
| 3272111086 | Other, 5.0 mm or thicker..... | 3 | (D) | (D) | (D) | (D) | (D) | (D) |
| 3272111097 | Heat-treated flat glass for nonautomotive uses, treated in primary glass manufacturing plants 1/..... | 3 | 321,060 | 365,319 | 315,112 | 358,519 | (D) | (D) |

D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.

X Not applicable.

1/Glass reported in this category represents the portion of nonautomotive flat glass that has been heat treated.

Note: Data are limited to inventories at manufacturing establishments.

Table 3. Value of Shipments, Exports, and Imports of Flat Glass: 2000 and 1999
(Thousands of dollars)

| Product description | Manufacturers' shipments (f.o.b. plant) 1/ | Exports of domestic merchandise 2/ 3/ (value at port) | Percent of exports to manufacturers' shipments | Imports for consumption 4/ (value at port) | Apparent consumption 5/ | Percent imports to apparent consumption |
|-----------------------|---|--|--|---|-------------------------|---|
| 2000 | | | | | | |
| Total flat glass..... | 2,152,363 | 512,475 | 23.8 | 182,556 | r/ 1,822,444 | r/ 10.0 |
| 1999 | | | | | | |
| Total flat glass..... | 2,213,479 | 429,704 | 19.4 | 201,554 | r/ 1,985,329 | r/ 10.2 |

r/Revised by 5 percent or more from previously published data.

1/The value of "Manufacturers' shipments" is in current dollars.

2/For a comparison of North American Industry Classification System (NAICS)-based product codes with Schedule B export numbers and HTSUSA import numbers, see Table 4.

3/Source: Census Bureau report EM 545, U.S. Exports.

4/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

5/Apparent consumption is derived by subtracting exports from the total of manufacturers' shipments plus imports, including duty.

Table 4. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers and HTSUSA Import Numbers: 2000

| Product code | Product description | Export number 1/ | Import number 2/ |
|---------------------|----------------------------------|-------------------------|-------------------------|
| 3272111 | Glass--sheet, plate, float | 7003.12.0000 | 7003.12.0000 |
| | | 7003.19.0000 | 7003.19.0000 |
| | | 7004.20.0000 | 7004.20.1000 |
| | | | 7004.20.2010 |
| | | | 7004.20.2020 |
| | | | 7004.20.5000 |
| | | 7004.90.0000 | 7004.90.0500 |
| | | | 7004.90.1000 |
| | | | 7004.90.1500 |
| | | | 7004.90.2000 |
| | | | 7004.90.2510 |
| | | | 7004.90.2520 |
| | | | 7004.90.2550 |
| | | | 7004.90.3010 |
| | | | 7004.90.3020 |
| | | | 7004.90.3050 |
| | | | 7004.90.4000 |
| | | | 7004.90.5000 |
| | | 7005.10.0000 | 7005.10.4000 |
| | | | 7005.10.8000 |
| | | 7005.21.0000 | 7005.21.1010 |
| | | | 7005.21.1030 |
| | | | 7005.21.2000 |
| | | 7005.29.0000 | 7005.29.0410 |
| | | | 7005.29.0450 |
| | | | 7005.29.0810 |
| | | | 7005.29.0850 |
| | | | 7005.29.1410 |
| | | | 7005.29.1450 |
| | | | 7005.29.1810 |
| | | | 7005.29.1850 |
| | | | 7005.29.2500 |

1/Source: 2000 edition, Harmonized System-based Schedule B Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (2000).